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 <213> *Saccharomyces cerevisiae*

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 1 5 10 15
 Ala Glu Ala Glu Ala Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro
 20 25 30
 Met Tyr Lys Arg Glu Ala Asp Ala Glu Ala Trp His Trp Leu Gln Leu
 35 40 45
 Lys Pro Gly Gln Pro Met Tyr Lys Arg Glu Ala Asp Ala Glu Ala Trp
 50 55 60
 His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
 65 70 75

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<220>
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51, 53, 54, 56, 57, 59, 60, 62, 63, 65, 66

<223> n = A,T,C or G

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knknknktga tcattccg 77

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<222> 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

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Xaa Xaa Xaa

<210> 8

<211> 36

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<213> *Saccharomyces cerevisiae*

<400> 8

Met Gln Pro Ser Thr Ala Thr Ala Ala Pro Lys Glu Lys Thr Ser Ser
1 5 10 15
Glu Lys Lys Asp Asn Tyr Ile Ile Lys Gly Val Phe Trp Asp Pro Ala
20 25 30
Cys Val Ile Ala
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aagctttcga atagaaatg 19

<210> 10

<211> 36

<212> DNA

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<220>
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36

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<212> DNA

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<212> DNA

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cgtacttaag caataacaca

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<210> 26

<211> 28

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<223> n = A,T,C or G

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<212> DNA

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<223> FRAGMENT

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ggtactcgag tgaaaagaag gacaac

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<223> n = A,T,C or G

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<210> 30

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<212> PRT

<213> Saccharomyces cerevisiae

<400> 34

Arg	Asn	Ser	Ser	Ser	Ser	Gly	Ser	Ser	Gly	Ala	Gly	Gln	Lys	Arg	Glu
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Ala	Glu	Ala	Trp	His	Trp	Leu	Gln	Leu	Lys	Pro	Gly	Gln	Pro	Met	Tyr
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<400> 36
 ccgtctagat gctggcagcg tggg 24

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<210> 38
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<400> 38
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 gtctgtgacg c 71

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<400> 40
 gcgtcacaga ctgatca 17

<210> 41
 <211> 56
 <212> DNA
 <213> *Saccharomyces cerevisiae*

<400> 41

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<211> 39

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Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr

1

5

10

<210> 43

<211> 13

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Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr

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5

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<212> DNA

<213> *Saccharomyces cerevisiae*

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<210> 45

<211> 69

<212> DNA

<213> *Saccharomyces cerevisiae*

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cggatgatca gtacattggt tggccagggt ttagctgcaa ccaatgccaa gctgagtctt 60

cgcatccag 69

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<211> 39

<212> DNA

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Trp His Trp Leu Gln Leu Thr Pro Gly Gln Pro Met Tyr

1

5

10

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 1 5 10

<210> 48
 <211> 39
 <212> DNA
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 1 5 10

<210> 49
 <211> 13
 <212> PRT
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<400> 49
 Trp His Trp Leu Glu Leu Met Pro Gly Gln Pro Leu Tyr
 1 5 10

<210> 50
 <211> 39
 <212> DNA
 <213> *Saccharomyces cerevisiae*

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 Trp His Trp Met Glu Leu Arg Pro Gly Gln Pro Met Tyr
 1 5 10

<210> 51
 <211> 13
 <212> PRT
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<400> 51
 Trp His Trp Met Glu Leu Arg Pro Gly Gln Pro Met Tyr
 1 5 10

<210> 52

<211> 33
 <212> DNA
 <213> *Saccharomyces cerevisiae*

<220>
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 <222> (1)...(33)

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 1 5 10

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<400> 53
 Tyr Ala Leu Phe Val His Phe Phe Asp Ile Pro
 1 5 10

<210> 54
 <211> 33
 <212> DNA
 <213> *Saccharomyces cerevisiae*

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 Phe Lys Gly Gln Val Arg Phe Val Val Leu Ala
 1 5 10

<210> 55
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 <212> PRT
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<400> 55
 Phe Lys Gly Gln Val Arg Phe Val Val Leu Ala
 1 5 10

<210> 56
 <211> 33
 <212> DNA
 <213> *Saccharomyces cerevisiae*

<220>
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 <222> (1)...(33)

<400> 56

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33

Leu Met Ser Pro Ser Phe Phe Phe Leu Pro Ala

1

5

10

<210> 57

<211> 11

<212> PRT

<213> *Saccharomyces cerevisiae*

<400> 57

Leu Met Ser Pro Ser Phe Phe Phe Leu Pro Ala

1

5

10

<210> 58

<211> 27

<212> DNA

<213> *Saccharomyces cerevisiae*

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27

<210> 59

<211> 23

<212> DNA

<213> *Saccharomyces cerevisiae*

<400> 59

gctctagatg ctactgatcc cgc

23

<210> 60

<211> 18

<212> DNA

<213> *Saccharomyces cerevisiae*

<400> 60

cgccgcatga ctccattg

18

<210> 61

<211> 26

<212> DNA

<213> *Saccharomyces cerevisiae*

<400> 61

ggggtaccaa taggttcttt cttagg

26

<210> 62

<211> 35

<212> DNA

<213> *Saccharomyces cerevisiae*

<400> 62
ggtagggaggg tgctctctag aaggaagtgt tcacc 35

<210> 63
<211> 41
<212> DNA
<213> *Saccharomyces cerevisiae*

<400> 63
gcccaggaga ccagaccatg gactccttca attataccac c 41

<210> 64
<211> 42
<212> DNA
<213> *Saccharomyces cerevisiae*

<400> 64
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<210> 65
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<213> *Saccharomyces cerevisiae*

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gaagatcttc agcggccgag ttgcatgtc 29

<210> 66
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<400> 66
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<210> 67
<211> 34
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<210> 68
<211> 34
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<213> *Saccharomyces cerevisiae*

<400> 68

gcgcggtacc aagcttcaat tcgagataat accc

34

<210> 69

<211> 24

<212> DNA

<213> *Saccharomyces cerevisiae*

<400> 69

cccgaatcca ccaatttctt tacg

24

<210> 70

<211> 27

<212> DNA

<213> *Saccharomyces cerevisiae*

<400> 70

gcggcgtcga cgcggccgcg taacagt

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<210> 71

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<400> 71

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37

<210> 72

<211> 43

<212> DNA

<213> *Saccharomyces cerevisiae*

<400> 72

ctgctggtcg acgcggccgc gggggttcct tcttagaagc agc

43

<210> 73

<211> 30

<212> DNA

<213> *Saccharomyces cerevisiae*

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<210> 74

<211> 37

<212> DNA

<213> *Saccharomyces cerevisiae*

<400> 74

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37

<210> 75
<211> 44
<212> DNA
<213> *Saccharomyces cerevisiae*

<400> 75
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<210> 76
<211> 29
<212> DNA
<213> *Saccharomyces cerevisiae*

<400> 76
gggctcgagc ctcagaagag gccgcagtc 29

<210> 77
<211> 37
<212> DNA
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<400> 77
ctgctggagc tcaagctgct gctactcggc gctggag 37

<210> 78
<211> 49
<212> DNA
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<210> 79
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<210> 81
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23

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 Phe Leu Gln Asn Lys Arg Ala Asn Asp Val Ile Glu Gln Ser Leu Gln
 20 25 30
 Leu Glu Lys Gln Arg Asp Lys Asn Glu Ile Lys Leu Leu Leu Gly
 35 40 45
 Ala Gly Glu Ser Gly Lys Ser Thr Val Leu Lys Gln Leu Lys Leu Leu
 50 55 60
 His Gln
 65

<210> 83
 <211> 65
 <212> PRT
 <213> *Saccharomyces cerevisiae*

<400> 83
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 1 5 10 15
 Lys Ala Gln Arg Glu Ala Asn Lys Lys Ile Glu Lys Gln Leu Gln Lys
 20 25 30
 Asp Lys Gln Val Tyr Arg Ala Thr His Arg Leu Leu Leu Leu Gly Ala
 35 40 45
 Gly Glu Ser Gly Lys Ser Thr Ile Val Lys Gln Met Arg Ile Leu His
 50 55 60
 Val
 65

<210> 84
 <211> 58
 <212> PRT
 <213> *Saccharomyces cerevisiae*

<400> 84
 Met Gly Cys Thr Val Ser Ala Glu Asp Lys Ala Ala Ala Glu Arg Ser
 1 5 10 15

Lys Met Ile Asp Lys Asn Leu Arg Glu Asp Gly Glu Lys Ala Ala Arg
 20 25 30
 Glu Val Lys Leu Leu Leu Leu Gly Ala Gly Glu Ser Gly Lys Ser Thr
 35 40 45
 Ile Val Lys Gln Met Lys Ile Ile His Glu
 50 55

<210> 85

<211> 58

<212> PRT

<213> *Saccharomyces cerevisiae*

<400> 85

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 1 5 10 15
 Lys Met Ile Asp Arg Asn Leu Arg Glu Asp Gly Glu Lys Ala Ala Lys
 20 25 30
 Glu Val Lys Leu Leu Leu Leu Gly Ala Gly Glu Ser Gly Lys Ser Thr
 35 40 45
 Ile Val Lys Gln Met Lys Ile Ile His Glu
 50 55

<210> 86

<211> 67

<212> PRT

<213> *Saccharomyces cerevisiae*

<400> 86

Met Ala Arg Ser Leu Thr Trp Arg Cys Cys Pro Trp Cys Leu Thr Glu
 1 5 10 15
 Asp Glu Lys Ala Ala Ala Arg Val Asp Gln Glu Ile Asn Arg Ile Leu
 20 25 30
 Leu Glu Gln Lys Lys Gln Asp Arg Gly Glu Leu Lys Leu Leu Leu
 35 40 45
 Gly Pro Gly Glu Ser Gly Lys Ser Thr Phe Ile Lys Gln Met Arg Ile
 50 55 60
 Ile His Gly
 65

<210> 87

<211> 66

<212> PRT

<213> *Saccharomyces cerevisiae*

<400> 87

Met Gly Cys Thr Val Ser Thr Gln Thr Ile Gly Asp Glu Ser Asp Pro
 1 5 10 15
 Phe Leu Gln Asn Lys Arg Ala Asn Asp Val Ile Glu Gln Ser Leu Gln
 20 25 30

Leu Glu Lys Gln Arg Asp Lys Asn Glu Arg Lys Leu Leu Leu Leu Gly
 35 40 45
 Ala Gly Glu Ser Gly Lys Ser Thr Ile Val Lys Gln Met Arg Ile Leu
 50 55 60
 His Val
 65

<210> 88

<211> 66

<212> PRT

<213> *Saccharomyces cerevisiae*

<400> 88

Met Gly Cys Thr Val Ser Thr Gln Thr Ile Gly Asp Glu Ser Asp Pro
 1 5 10 15
 Phe Leu Gln Asn Lys Arg Ala Asn Asp Val Ile Glu Gln Ser Leu Gln
 20 25 30
 Leu Glu Lys Gln Arg Asp Lys Asn Glu Val Lys Leu Leu Leu Gly
 35 40 45
 Ala Gly Glu Ser Gly Lys Ser Thr Ile Val Lys Gln Met Lys Ile Ile
 50 55 60
 His Glu
 65

<210> 89

<211> 66

<212> PRT

<213> *Saccharomyces cerevisiae*

<400> 89

Met Gly Cys Thr Val Ser Thr Gln Thr Ile Gly Asp Glu Ser Asp Pro
 1 5 10 15
 Phe Leu Gln Asn Lys Arg Ala Asn Asp Val Ile Glu Gln Ser Leu Gln
 20 25 30
 Leu Glu Lys Gln Arg Asp Lys Asn Glu Val Lys Leu Leu Leu Gly
 35 40 45
 Ala Gly Glu Ser Gly Lys Ser Thr Ile Val Lys Gln Met Lys Ile Ile
 50 55 60
 His Glu
 65

<210> 90

<211> 66

<212> PRT

<213> *Saccharomyces cerevisiae*

<400> 90

Met Gly Cys Thr Val Ser Thr Gln Thr Ile Gly Asp Glu Ser Asp Pro
 1 5 10 15
 Phe Leu Gln Asn Lys Arg Ala Asn Asp Val Ile Glu Gln Ser Leu Gln
 20 25 30
 Leu Glu Lys Gln Arg Asp Lys Asn Glu Leu Lys Leu Leu Leu Gly

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      35          40          45
Pro Gly Glu Ser Gly Lys Ser Thr Phe Ile Lys Gln Met Arg Ile Ile
   50          55          60
His Gly
65

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<210> 91
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<213> Saccharomyces cerevisiae

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<221> CDS
<222> (1)...(39)

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<400> 91
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Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
  1              5              10

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<210> 92
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<213> Saccharomyces cerevisiae

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<400> 92
Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
  1              5              10

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<210> 93
<211> 39
<212> DNA
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<221> CDS
<222> (1)...(39)

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Trp His Trp Leu Ser Leu Ser Pro Gly Gln Pro Met Tyr
  1              5              10

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<210> 94
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Trp His Trp Leu Ser Leu Ser Pro Gly Gln Pro Met Tyr
  1              5              10

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<212> DNA
<213> *Saccharomyces cerevisiae*

<221> CDS
<222> (1)...(39)

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Trp His Trp Leu Ser Leu Asp Ala Gly Gln Pro Met Tyr
1 5 10

<210> 96
<211> 13
<212> PRT
<213> *Saccharomyces cerevisiae*

<400> 96
Trp His Trp Leu Ser Leu Asp Ala Gly Gln Pro Met Tyr
1 5 10

<210> 97
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<212> DNA
<213> *Saccharomyces cerevisiae*

<221> CDS
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1 5 10

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 1 5 10

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 1 5 10

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 1 5 10

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<400> 110
 Trp His Trp Leu Arg Leu Gln Pro Gly Gln Pro Met Tyr
 1 5 10

<210> 111
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 1 5 10 15
 Ser Lys Phe Lys Val Leu Asp Ala Gly Gly Gln Arg Ser Glu Arg Lys
 20 25 30
 Lys Trp Ile His Cys Phe Glu Gly Ile Thr Ala Val Leu Phe Val Leu
 35 40 45
 Ala Met Ser Glu Tyr Asp Gln Met Leu Phe Glu Asp Glu Arg
 50 55 60

<210> 112
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<400> 112
 Arg Val Leu Thr Ser Gly Ile Phe Glu Thr Lys Phe Gln Asn Asp Lys
 1 5 10 15
 Val Asn Phe His Met Phe Asp Val Gly Gly Gln Arg Asp Glu Arg Lys
 20 25 30
 Lys Trp Ile Gln Cys Phe Asn Asp Val Thr Ala Ile Ile Phe Val Val
 35 40 45
 Ala Ser Ser Ser Tyr Asn Met Val Ile Arg Glu Asp Asn Gln
 50 55 60

<210> 113

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<400> 113
 Arg Val Lys Thr Thr Gly Ile Val Glu Thr His Phe Thr Phe Lys Asp
 1 5 10 15
 Leu His Phe Lys Met Phe Asp Val Gly Gly Gln Arg Ser Glu Arg Lys
 20 25 30
 Lys Trp Ile His Cys Phe Glu Gly Val Thr Ala Ile Ile Phe Cys Val
 35 40 45
 Ala Leu Ser Ala Tyr Asp Leu Val Leu Ala Asp Glu Glu Met
 50 55 60

<210> 114
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 <212> PRT
 <213> *Saccharomyces cerevisiae*

<400> 114
 Arg Val Lys Thr Thr Gly Ile Val Glu Thr His Phe Thr Phe Lys Asp
 1 5 10 15
 Leu Tyr Phe Lys Met Phe Asp Val Gly Gly Gln Arg Ser Glu Arg Lys
 20 25 30
 Lys Trp Ile His Cys Phe Glu Gly Val Thr Ala Ile Ile Phe Cys Val
 35 40 45
 Ala Leu Ser Asp Tyr Asp Leu Val Leu Ala Glu Asp Glu Glu
 50 55 60

<210> 115
 <211> 62
 <212> PRT
 <213> *Saccharomyces cerevisiae*

<400> 115
 Arg Val Lys Thr Thr Gly Ile Val Glu Thr His Phe Thr Phe Lys Asn
 1 5 10 15
 Leu His Phe Arg Leu Phe Asp Val Gly Gly Gln Arg Ser Glu Arg Lys
 20 25 30
 Lys Trp Ile His Cys Phe Glu Asp Val Thr Ala Ile Ile Phe Cys Asn
 35 40 45
 Ala Leu Ser Gly Tyr Asp Gln Val Leu His Glu Asp Glu Thr
 50 55 60

<210> 116
 <211> 62
 <212> PRT
 <213> *Saccharomyces cerevisiae*

<400> 116

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Arg Val Pro Thr Thr Gly Ile Ile Glu Tyr Pro Phe Asp Leu Glu Asn
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Ile Ile Phe Lys Met Val Asp Ala Gly Gly Gln Arg Ser Glu Arg Lys
          20           25           30
Lys Trp Ile His Cys Phe Glu Asn Val Thr Ser Ile Met Phe Leu Val
          35           40           45
Ala Leu Ser Glu Tyr Asp Gln Cys Leu Glu Glu Asn Asn Gln
   50           55           60

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<210> 117
<211> 62
<212> PRT
<213> Saccharomyces cerevisiae

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<400> 117
Arg Met Pro Thr Thr Gly Ile Asn Glu Tyr Cys Phe Ser Val Gln Lys
 1           5           10           15
Thr Asn Leu Lys Ile Val Asp Ala Gly Gly Gln Arg Ser Glu Arg Lys
          20           25           30
Lys Trp Ile His Cys Phe Glu Asn Ile Ile Ala Leu Ile Tyr Leu Ala
          35           40           45
Ser Leu Ser Glu Tyr Asp Gln Val Leu Val Glu Ser Asp Asn
   50           55           60

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<213> Saccharomyces cerevisiae

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<210> 119
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<212> DNA
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<400> 119
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<220>
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<400> 120
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 1           5           10

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<220>
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<400> 121
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1 5

<210> 122
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<220>
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<400> 122
Gln Ala Arg Lys Leu Gly Ile Gln
1 5

<210> 123
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<400> 123
Leu Ile His Glu Asp Ile Ala Lys Ala
1 5

<210> 124
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<400> 124
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1 5

<210> 125
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1 5

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<400> 128
Asp Val Gly Gly Gln
1 5

<210> 129
<211> 11
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<400> 129
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1 5 10

<210> 130
<211> 4
<212> PRT
<213> *Saccharomyces cerevisiae*

<400> 130
Glu Ala Glu Ala
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<210> 131
<211> 62
<212> PRT
<213> *Saccharomyces cerevisiae*

<400> 131

Arg	Ile	Asp	Thr	Thr	Gly	Ile	Thr	Glu	Thr	Glu	Phe	Asn	Ile	Gly	Ser
1				5				10					15		
Ser	Lys	Phe	Lys	Val	Leu	Asp	Ala	Gly	Gly	Gln	Arg	Ser	Glu	Arg	Lys
			20					25					30		
Lys	Trp	Ile	His	Cys	Phe	Glu	Gly	Ile	Thr	Ala	Val	Leu	Phe	Val	Leu
		35					40					45			
Ala	Met	Ser	Glu	Tyr	Asp	Gln	Met	Leu	Phe	Glu	Asp	Glu	Arg		
	50					55					60				